**PATENT** 

#### <sup>Y</sup>THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/685,336

Filing Date:

October 14, 2003

Applicant:

Robert D. Keefover et al.

Group Art Unit:

2858

Examiner:

(To Be Assigned)

Title:

SINGLE SENSING MULTIPLE OUTPUT SYSTEM

Attorney Docket:

DKT 03016 (BWI-00087)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

### I. LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information submitted for consideration by the Office (except unpublished U.S. patent applications) are listed on Form 1449 or PTO/SB/08a and 08b attached hereto.

#### II. COPIES

- A. 
  Submitted herewith is a legible copy of (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; (iii) for each cited pending U.S. application, the application specification including the claims, and any drawing of the application which caused it to be listed including the claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.
- B. \_\_\_ Any patents, publications or other information which are listed on Form 1449 or PTO/SB/08a and 08b or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

III.

IV.

V.

# U.S. Filing Date

|  | CThis is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form-1449 or PTO/SB/08a and 08b for consideration by the Examiner and for listing on any patent resulting from this application. Since the International Search Report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g)) |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|
|  | CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)   |  |  |  |  |  |  |  |
|  | A. Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).   |  |  |  |  |  |  |  |
|  | B A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):  |  |  |  |  |  |  |  |
|  | <ul><li>1See the attached foreign search report.</li><li>2English translations are provided for:</li><li>3Other:</li></ul>  |  |  |  |  |  |  |  |
|  | C The following additional information is provided for the Examiner's consideration.  |  |  |  |  |  |  |  |
|  | CROSS REFERENCE TO RELATED APPLICATION(S)   |  |  |  |  |  |  |  |
| A The Examiner is advised that the following co-pending application(s contain(s) subject matter that may be related to the present application. B bringing this(these) application(s) to the Examiner's attention, Applicant(s does(do) not waive the confidentiality provisions of 35 U.S.C. § 122. |   |  |  |  |  |  |  |  |
|  | Serial No. Filing Date Art Unit   |  |  |  |  |  |  |  |
|  |   |  |  |  |  |  |  |  |
|  | THIS IDS IS BEING FILED UNDER   |  |  |  |  |  |  |  |
|  | A. <u>v</u> 37 C.F.R. § 1.97(b): (check <u>only</u> one box)  |  |  |  |  |  |  |  |
|  | 1 within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.  |  |  |  |  |  |  |  |

| <ol> <li>within three months of the date of entry of the national stage as set<br/>forth in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No<br/>fee or certification is required.</li> </ol>   |
|--|
| 3. before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p). |
| 4 before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.  |
| B 37 C.F.R. § 1.97(c): (check <u>only</u> one box)   |
| <ul> <li>before the mailing date of either any Final Office Action under 37 C.F.R.</li> <li>§ 1.113, a Notice of Allowance under 37 C.F.R.</li> <li>§ 1.311, or an action that otherwise closes prosecution.</li> </ul>  |
| 1 No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).   |
| 2 See the certification below. No fee is required.   |
| C 37 C.F.R. § 1.97(d):   |
| <ul> <li>after the mailing date of either a Final Office Action under 37 C.F.R. §<br/>1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before<br/>payment of the issue fee.</li> </ul>  |
| 1 See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).   |
| CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)  |
| The undersigned hereby certifies that:   |
| Aeach item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)); or   |
| B no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the   |

Page 3

VI.

Application No. 10/685,336

knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C. \_\_\_ Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

## VII. PAYMENT OF FEES (check only one box)

A. \_\_\_\_ A check in the amount of \$180.00 is enclosed for the above-identified fee.

B. \_\_\_\_ Please charge Deposit Account No. 501612 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 501612.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 501612.

Respectfully submitted,

WARN, BURGESS & HOFFMANN, P.C. Attorneys for Applicant(s)

P.O. Box 70098 Rochester Hills, MI 48307 (248) 364-4300

Dated: March 31, 2004

PRW: jmz Enclosures Philip R. Warn

Reg. No. 32775

Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ostitute for form 1449/PTO

Sheet

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

|                        | mplete if Known           |
|------------------------|---------------------------|
| Application Number     | 10/685,336                |
| Filing Date            | October 14, 2003          |
| First Named Inventor   | Robert D. Keefover et al. |
| Art Unit               | 2858                      |
| Examiner Name          | (To Be Assigned)          |
| Attorney Docket Number | DKT 03016 (BWI-00087)     |

|                       |              |  | U. S. PATENT                   | DOCUMENTS  |   |
|-----------------------|--------------|--|--------------------------------|--|---|
| Examiner<br>Initials* | Cite<br>No.1 | Document Number  Number-Kind Code <sup>2 (f known)</sup> | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |              | US- 5,136,880  | 08-11-1992                     | Norgauer   |   |
|                       |              | <sup>US-</sup> 4,703,261                                 | 10-27-1987                     | Berchtold  |   |
|                       |              | US-  |                                |  |   |

|                       |                          | FOREIG  | N PATENT DOCU               | MENTS  |   |                |
|-----------------------|--------------------------|---|-----------------------------|--|---|----------------|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>4</sup> (# known) | Publication Date MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sub>6</sub> |
|                       |                          | Country Code Number Kind Code (# known)   |                             |  |   |                |
|                       |                          |   |                             |  |   |                |
|                       |                          |   |                             |  |   | $\square$      |
|                       |                          |   |                             |  |   | $\Box$         |
|                       |                          |   |                             |  |   |                |

| Examiner  | Date       |     |
|-----------|------------|-----|
| Signature | Considered | , i |
| _         |            |     |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

| THE AUTO   |  |  |                                     | ` <del>-</del>   |                           |  |  |  |
|--|--|--|-------------------------------------|--|---------------------------|--|--|--|
| TOTAL STATE OF THE PARTY OF THE | anno de Cadon  |  |                                     | U.S. Pa  | atent and Tra             | demark Office  | ce: U.S. D   | PTO/SB/21 (0<br>th 04/30/2003. OMB 0651-<br>EPARTMENT OF COMME   |
| Taker the Pa   | aperwork Reduc   | tion Act of 1995   | no person                           | s are required to respond to a colle<br>Application Number   | L                         | rmation unies<br>35,336  | ss it displa   | vs a valid OMB control nur   |
| T  | RANSMI   | TTAL   |                                     | Filing Date  |                           | ber 14, 2  | 003  |  |
|  | FORM   | <b>V</b> I   |                                     | First Named Inventor   |                           | Robert D. Keef   |  | et al.   |
| (to be used for all correspondence after initial filing)   |  | Art Unit   | 2858                                |  |                           |  |  |  |
| (to be used for all correspondence after findal ming)  |  |  | Examiner Name                       | (To B  | e Assign                  | ed)  |  |  |
| Total Number   | of Pages in This   | Submission   |                                     | Attorney Docket Number   | DKT                       | 03016 (B   | WI-000   | )87)   |
|  |  |  | ENC                                 | LOSURES (Check all t   | hat apply)                |  |  |  |
| Amendan  Extensio  Express  Informat  Certified Docume  Responsi   | nsmittal Form Fee Attached nent/Reply After Final Affidavits/deck on of Time Rec Abandonmer tion Disclosure I Copy of Prior ent(s) se to Missing ete Application Response to Munder 37 CFR | quest  It Request  E Statement  Trity  Parts/  In  Missing Parts | Rema Applica additio applica No. 50 | Drawing(s)  Licensing-related Papers  Petition  Petition to Convert to a  Provisional Application  Power of Attorney, Revocation  Change of Correspondence Ad  Terminal Disclaimer  Request for Refund  CD, Number of CD(s)  ant believes no fee to be nal fees be due in order ation, please consider thi 1612 (Warn, Burgess & ate copy of this document | due for to preves as auth | Apport Ap | Group peal Cor Appeals peal Cor opeal Noti oprietary atus Lette her Encle entify bele im PTO/ i Return | osure(s) (please ow): SB/08a; Copies of 2 U. Receipt Postcard  g, however, should nent of this rge Deposit Accousuch fees due. A |
|  |  |  |                                     |  |                           |  |  |  |
|  |  | SIGNA  | TURE                                | OF APPLICANT, ATTOR  | RNEY, O                   | R AGEN   | Т  |  |
| Firm<br>or<br>Individual name  |  | urgess & Ho<br>Warn - Reo  |                                     |  |                           |  |  |  |
| Signature  | 17h  |  |                                     |  | -                         |  |  |  |
| Date   | March 31   | , 2004   |                                     |  |                           |  |  |  |
|  |  | C  | ERTIFIC                             | CATE OF TRANSMISSI   | ON/MAII                   | ING  |  |  |
| sufficient postag<br>the date shown  | je as first clas<br>below.   | spondence is l<br>s mail in an er                                | peing facs<br>evelope ac            | imile transmitted to the USPTC<br>dressed to: Commissioner for   | or deposi<br>Patents, P   | ted with the<br>.O. Box 145  | United 9   | States Postal Service w<br>ndria, VA 22313-1450  |
| Typed or printed   | name P   | hilip R. Wai   | n - Reg                             | . No. 32775  |                           |  |  |  |
| Typed of prince  |  |  |                                     |  |                           |  |  |  |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.